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j6678 U.S. PTO  
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Date: December 6, 1999

Attorney Docket No. ASA-838

To: Assistant Commissioner for Patents  
Washington, D.C. 20231

Sir: Transmitted herewith for filing is the patent application of:

Inventor: SEE ATTACHED LIST (K. TSUCHIYA et al)

For:  
COMMUNICATIONS CONTROL METHOD AND INFORMATION  
RELAYING DEVICE FOR COMMUNICATIONS NETWORK SYSTEM

Enclosed are:

- ☒ 6 Sheets of Drawings  
☐ This application is being filed without an executed Declaration.  
☒ Priority is claimed from Japanese Application No. 10-347235  
filed December 7, 1998. ☐ A certified copy is attached herewith.  
☐ Copies of the disclosure documents listed on the attached PTO 1449 form and  
☐ discussed in the specification or ☐ attached Information Disclosure Statement.  
☐ A verified statement to establish small entity status under 37 CFR 1.9 and 1.27.  
☒ Specification: Abstract X, Description 32 pages; and 18 claim(s).  
☐ Preliminary Amendment.  
☒ Executed Declaration.

The filing fee is calculated as shown below:

Small Entity

Large Entity

For:	No. Filed	No. Extra
Basic Fee		
Total Claims	18 - 20 = *	0
Indep Claims	3 - 3 = *	0
<input type="checkbox"/> Multiple Dependent Claim (s)		

\* If difference is less than zero  
then enter '0' in second column

Rate	Fee
	\$ 380
x 9	\$
x 39	\$
+ 130	\$
Total	\$

OR

Rate	Fee
	\$ 760
x 18	\$ 0
x 78	\$ 0
+ 260	\$ 0
Total	\$ 760

- ☒ A check in the amount of \$ 760.00 is enclosed for the filing fee.  
☒ The Commissioner is hereby authorized to charge any additional fees that may be required to  
Deposit Account No. 02-1540. A duplicate of this sheet is attached.

Respectfully Submitted,

By:

Thomas E. Beall, Jr.

Registration No. 22,410

LIST OF INVENTORS' NAMES AND ADDRESSES

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Shinji NOZAKI, Yokohama-shi, JAPAN.

663027-6925450

**Figure 6.** The effect of the number of iterations on the accuracy of the proposed algorithm. The figure shows two plots side-by-side. The left plot shows the error norm  $\|e\|_2$  versus the number of iterations  $n$ , ranging from 0 to 100. The right plot shows the relative error  $\frac{\|e\|_2}{\|x\|_2}$  versus the number of iterations  $n$ , ranging from 0 to 100. Both plots show a decreasing trend as the number of iterations increases, indicating convergence.

**Title of the Invention**

**Inventors**

Kazuaki TSUCHIYA,  
Shinji NOZAKI.